

Outside

Thinking

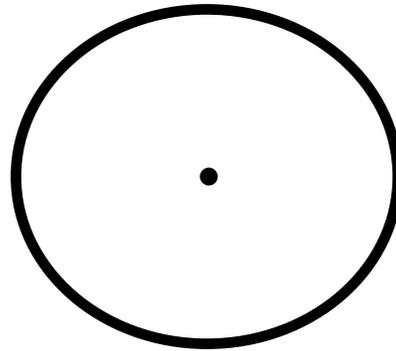
the

BOX

Cite as: Sgouris Sgouridis, course materials for ESD.04J Frameworks and Models in Engineering Systems, Spring 2007. MIT OpenCourseWare (<http://ocw.mit.edu>), Massachusetts Institute of Technology. Downloaded on [DD Month YYYY].

Outside

How would you draw the figure below
without lifting your pen from the paper?



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Sometimes it is helpful to think
in different
dimensions

Just to challenge the boundaries prescribed
by our mental model 😊

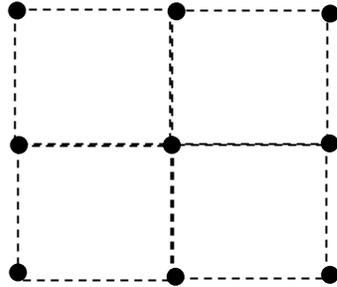
so let us try another one:

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How would you connect the nine dots below with the minimum number of straight lines without lifting pen from paper?



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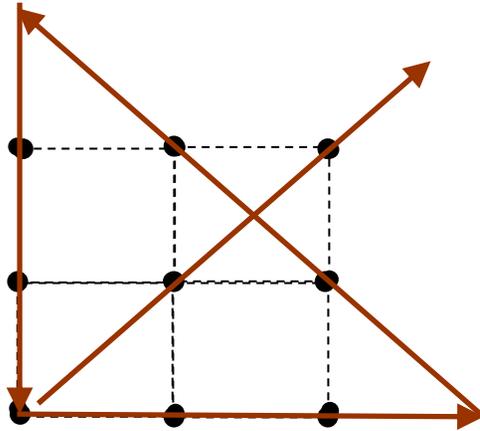
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Well that is one way! Is there another ?



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Try folding it !!!

Can we apply such thinking when dealing with real world
Critical Contemporary Issues?

We will try today

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